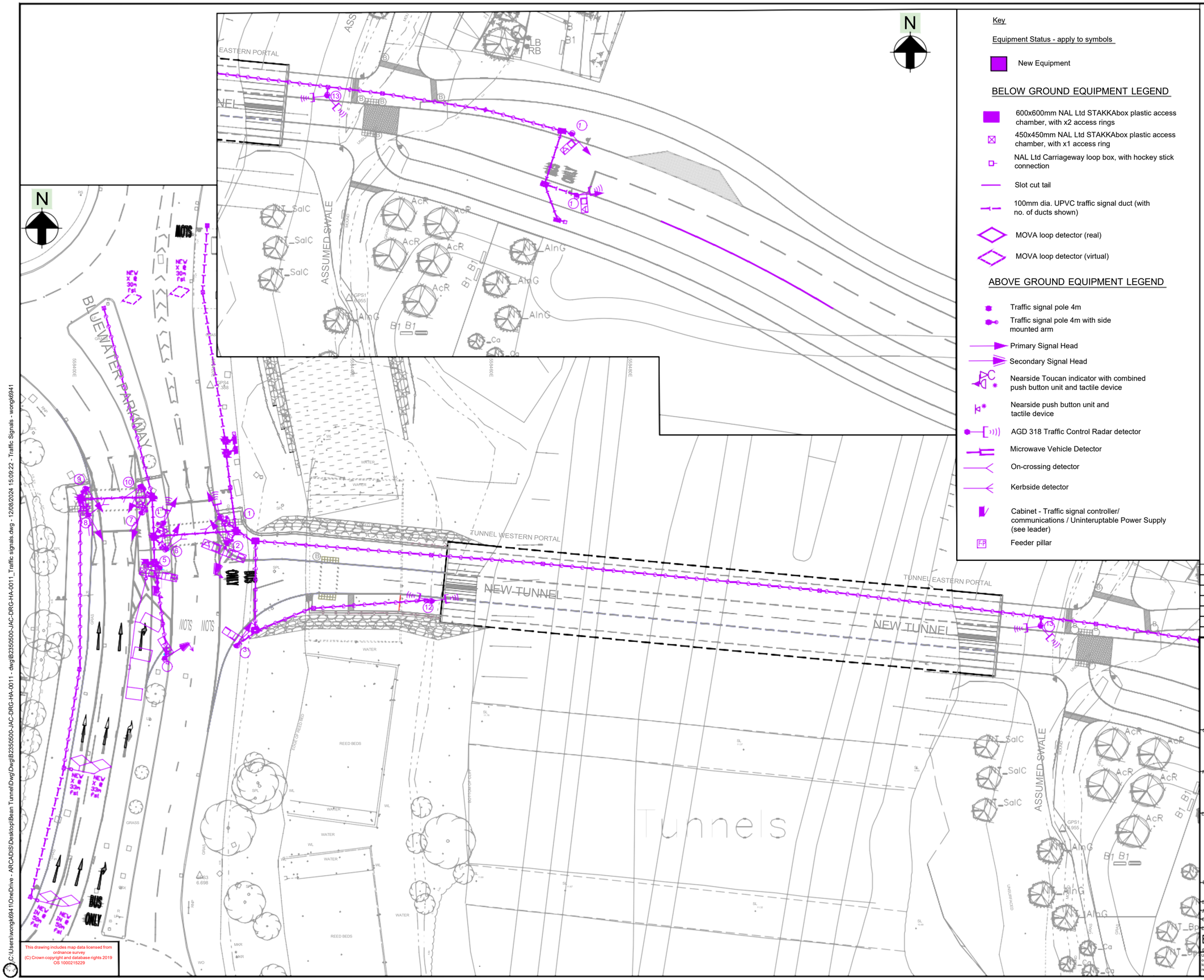

Key

Equipment Status - apply to symbols

New Equipment

BELOW GROUND EQUIPMENT LEGEND

- 600x600mm NAL Ltd STAKKAbox plastic access chamber, with x2 access rings
- 450x450mm NAL Ltd STAKKAbox plastic access chamber, with x1 access ring
- NAL Ltd Carriageway loop box, with hockey stick connection
- Slot cut tail
- 100mm dia. UPVC traffic signal duct (with no. of ducts shown)
- MOVA loop detector (real)
- MOVA loop detector (virtual)

ABOVE GROUND EQUIPMENT LEGEND

- Traffic signal pole 4m
- Traffic signal pole 4m with side mounted arm
- Primary Signal Head
- Secondary Signal Head
- Nearside Toucan indicator with combined push button unit and tactile device
- Nearside push button unit and tactile device
- AGD 318 Traffic Control Radar detector
- Microwave Vehicle Detector
- On-crossing detector
- Kerbside detector
- Cabinet - Traffic signal controller/ communications / Uninteruptable Power Supply (see leader)
- Feeder pillar

NOTES

1. Drawing to be printed in colour.
2. This drawing is to be read in conjunction with the relevant specification and all other related drawings issued by the engineer.
3. Do not scale from this drawing. Work from figured dimensions only.
4. All dimensions shown on this drawing are in metres.
5. All dimensions, levels and survey grid co-ordinates are to be checked on site and the engineer notified immediately of any discrepancies prior to the commencement of the works.
6. Kent County Council traffic signal practices and requirements to be adopted.
7. Items of street furniture to remain or to be removed are yet to be confirmed.
8. Final position of cabinets to be confirmed.
9. New Extra Low Voltage traffic signal controller to be provided.
10. Uninteruptable Power Supply to be provided in cabinet next to controller to cover operation during power outages - duration of cover to be agreed.
11. Controller to be connected to Kent County Council Remote Monitoring System - method to be agreed i.e. physical line or GPRS/ 3G.
12. Remote termination cabinet with power for laptop to enable remote controller interrogation to be provided on east side, with layby for maintenance vehicle.
13. All cabinets to be mounted on NAL Controller Pedestals of matching colour.
14. Mode of signal operation and loop arrangement to be discussed e.g. MOVA or VA.
15. Crossing points shall be Toucan phases with on-crossing detection, kerb side detection and tactile devices in all push button units. Use of narrow view fascias unlikely to be necessary.
16. Options for vehicle detection to be discussed e.g. loops or AGD 318.
17. Automatic Number Plate Recognition (ANPR) to be used for identifying buses and approved vehicles for access to the tunnel, though options can be discussed.
18. Road markings to be discussed e.g. locations and extent of zigzag markings, plus situation with left turn slip from northern roundabout.
19. Traffic signal staging diagram to be added later, but Toucan across northbound Bluewater Parkway will be an independent stage stream. Stages for Tunnel node likely to be:
    - Stage 1 - Southbound Bluewater Parkway
    - Stage 2 - Toucan phase across Southbound Bluewater Parkway
    - Stage 3 - Bus right turn into tunnel with Toucan phase
    - Stage 4 - Southbound Bluewater Parkway with eastbound bus clearing through tunnel
    - Stage 5 - Southbound Bluewater Parkway with westbound bus tunnel entry phase
    - Stage 6 - Tunnel exit bus left turn onto southbound Parkway with Toucan phase
20. Base data from Jacobs drawings B2350500-JAC-DRG-HA-0011 date Jan 2020.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following :

CONSTRUCTION
- Ensure adequate segregation of construction activities and adjacent live carriageways
- Identify and locate existing services
- All buried services to be isolated / protected prior to start of works
- Implement safety measures for working in excavations, confined spaces and traffic areas.

MAINTENANCE / CLEANING
- As above

DECOMMISSIONING / DEMOLITION
- As above

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

Rev	Rev. Date	Purpose of revision	Drawn	Checkd	Revd	Apprvd
P06	AUG. 2024	SITE COMPOUND AREA CHANGES	KHW	CJ	LK	LK
P05	JAN. 2020	WEST SIDE CROSSING CHANGES	CP	MB	MB	PW
P04	SEPT. 2019	PLANNING APPLICATION	WJ	MJ	MJ	PW
P03	AUGUST. 2019	B2 ALIGNMENT CHANGE	IK	PJS	MJ	MJ
P02	JULY 2019	UPDATED REED BED AND FOOTPATH	IK	PJS	MJ	MJ
P01	JUNE 2019	FOR INFORMATION	SM	PJS	MJ	MJ

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Client: Kent County Council

Project: Fastrack Full Network
Bean Road Tunnel

Drawing title:
NEW TUNNEL TRAFFIC SIGNALS GENERAL ARRANGEMENT

Drawing status: PLANNING APPLICATION

Scale	1:250 @ A1	DO NOT SCALE
Jacobs No.	B2350500	Rev P06
Client no.		

Drawing number: B2350500-JAC-DRG-HA-0011

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